Title (en)

METHOD AND KIT FOR EXTRACTING PRION PROTEIN

Title (de)

VERFAHREN UND KIT ZUM EXTRAHIEREN VON PRIONENPROTEINEN

Title (fr)

PROCEDE ET KIT D'EXTRACTION DE PROTEINE PRION

Publication

EP 1147415 A1 20011024 (EN)

Application

EP 00904258 A 20000107

Priority

- US 0000457 W 20000107
- US 11527299 P 19990108
- US 42085099 A 19991019

Abstract (en)

[origin: WO0040966A1] A method for extracting prion protein from a biological material, e.g., an animal tissue or product. In a specific example, abnormal prion protein is extracted from homogenized sheep brain with hexafluoro-2-propanol. The hexafluoro-2-propanol is separated from the aqueous brain preparation by increasing the ionic strength of the aqueous solution. Prion protein in the organic extract can be further purified, or the extract can be tested, e.g., by immunoassay, for the presence of prion protein, and more particularly abnormal prion protein. The extraction process permits testing for the presence of abnormal prion protein, e.g., for diagnosis of transmissible spongiform encephalopathies (TSE). The figure shows chromatogram from HILIC of I-prion protein as detected by radioactivity which is represented by open circles and by absorbance at 280 nm as represented by solid line in the graph.

IPC 1-7

G01N 33/53; G01N 33/68; C07K 1/14

IPC 8 full level

C07K 14/47 (2006.01); **C12P 21/00** (2006.01); **G01N 33/53** (2006.01)

CPC (source: EP KR US)

C07K 1/14 (2013.01 - KR); **C07K 14/47** (2013.01 - EP US); Y10S 435/962 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0040966 A1 20000713; AU 2604300 A 20000724; AU 761319 B2 20030605; BR 0007274 A 20011030; CA 2358285 A1 20000713; CN 1135235 C 20040121; CN 1342266 A 20020327; CZ 20012469 A3 20020213; EA 004953 B1 20041028; EA 200100756 A1 20011224; EE 200100358 A 20021216; EP 1147415 A1 20011024; EP 1147415 A4 20040630; GE P20033036 B 20030725; HK 1044588 A1 20021025; HK 1044588 B 20041203; HU P0104890 A2 20020429; HU P0104890 A3 20030929; ID 29442 A 20010830; IL 143974 A0 20020421; JP 2002534681 A 20021015; KR 20010089776 A 20011008; NO 20013193 D0 20010625; NO 20013193 L 20010815; NZ 513215 A 20021220; OA 11745 A 20050513; PL 349132 A1 20020701; SK 9492001 A3 20020604; TR 200101935 T2 20020121; US 6150172 A 20001121

DOCDB simple family (application)

US 0000457 W 20000107; AU 2604300 A 20000107; BR 0007274 A 20000107; CA 2358285 A 20000107; CN 00804405 A 20000107; CZ 20012469 A 20000107; EA 200100756 A 20000107; EE P200100358 A 20000107; EP 00904258 A 20000107; GE AP2000006037 A 20000107; HK 02106255 A 20020823; HU P0104890 A 20000107; ID 20011710 A 20000107; IL 14397400 A 20000107; JP 2000592634 A 20000107; KR 20017008560 A 20010705; NO 20013193 A 20010625; NZ 51321500 A 20000107; OA 1200100178 A 20000107; PL 34913200 A 20000107; SK 9492001 A 20000107; TR 200101935 T 20000107; US 42085099 A 19991019